USER‘S MANUAL

Version 2026-05

LPS SixSCAN IP66 Series

Full Color Laser Projectors

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L'utilisation est réservée à un usage professionnel selon décret n°2007-665 du 2 mai 2007 relatif à la sécurité des appareils à laser sortant!

Article 4 bis :

« Les usages spécifiques autorisés pour les appareils à laser sortant d'une classe supérieure à 2 sont les usages professionnels suivants : (…)

9° Spectacle et affichage :

Toutes les applications de trajectoire, de visualisation, de projection ou de reproduction d'images en deux ou trois dimensions. »

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1 Contents of Package

Please ensure that all components were delivered correctly. Also, please compare the packing list that was supplied separately. If something is missing, contact your sales representative.

Name	No.	Picture
Laser projector	**1**	
Power cable	**1**	
Set of keys	**1**	
Manual	**1**	

The unit has been carefully packed for shipment. If you discover any damage to the unit or packing material due to improper shipping, please notify the shipping company and return the unit to the supplier, preferably in its original packaging.

2 Safety Hints

2.1 General Hints

1. The laser projector is intended only for proper use for projecting laser beams onto a projection surface (walls, screens) or into space indoors or outdoors.

2. The device may not be used when there is visible damage to the housing, the connectors in the rear, especially the electric power supply, or the connecting cables.

3. The installation should be performed by specially trained personnel. The projector should not be connected to the mains during installation. Please note the local safety regulations!

4. For operation of the laser unit at truss or on ceiling, the projector must be additionally secured by a safety cable. This cable must be appropriately designed according to the weight of the laser projector. The relevant accident prevention regulations of the professional associations must be observed.

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5. If the provided mains cable does not correspond with your existing mains supply please use an appropriate adapter for mains connection. Do not use any electronically controlled sockets, e.g. no dimmer or radio sockets, for mains connection of the laser projector.

6. The laser unit has to be used according to this manual. LaserAnimation Sollinger GmbH does not assume liability for damages caused by non-observation of this manual.

7. Before starting any maintenance or cleaning remove the unit from the power supply!

8. In case of malfunctions please contact your dealer and after consultation send the device back for inspection and repair in its original packing. Do not open the device!

   Attention: Warranty is rendered void if the device is misused, damaged, modified in any way, or for unauthorized repairs or parts.

9. The laser device is intended for use in a dry and sufficiently ventilated location.
   When used outdoors the device has to be protected against overheating and excessively low temperatures. Note the respective maximum and minimum ambient temperatures for operation specified in the technical details.

10. When operating the device in humid or special outdoor conditions that can lead to condensation:

    a. Allow the device to acclimatize sufficiently at the place of use.

    b. Do not operate the device if the dew point is > 20°C, as condensation can occur on the cooler components.

    c. Do not switch the device off between operating times, simply activate interlock / E-stop to disable laser emission. This prevents the unit from cooling down, as all temperature control loops remain active.

11. The laser unit may not be operated in environments polluted with sand, dust or acrid fumes or gases. Fog machines must not be operated in the immediate vicinity of the laser projector. Do not point the fog nozzle directly at the laser projector.

12. Do not expose the laser unit to direct sunlight or other intensive light sources e.g. spotlight.

13. To ensure that the laser projector is not damaged during transportation, it must be properly packed and transported in an unassembled state. We recommend the use of a robust flight case or transport box. Ensure that the projector is firmly and securely fixed in the case to prevent movement during transportation.

14. Transport of the laser is permitted only in its factory-delivered state, without additional attachments, adapters or modifications. To avoid damages to rear panel connectors and key switch, always transport laser projector with removed interlock connector as well as removed key. This ensures that the projector is not damaged and remains in optimum condition.

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2.2 Hints for Laser Safety

Caution – use of controls, adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

This laser product is designated as Class 4 during all procedures of operation, maintenance and service.
The local safety regulations for the application of Class 4 laser products must be observed!

1. Eye Protection

- **Never look directly into the laser beam!**
  A laser beam is coherent, monochromatic light with very high energy. A laser beam retains its intensity even over very long distances. If a laser beam hits the human eye it can lead to irreparable damages to the cornea, the conjunctiva, the eye lens and the retina. Avoid any reflections back into the laser to prevent damages to the laser system. Do not place any objects into the laser beam because even diffusely reflected radiation can cause eye damages. Therefore remove any rings, watches or the like before you carry out work on the device and use only non-reflective tools.
- We strictly recommend wearing laser protective glasses for laser devices according to laser class 4.

2. Fire Protection

- The high energy density of the laser beam causes painful burns when it hits human skin. The beam may also burn holes into textiles.
  Therefore never reach into the laser beam and do not let other parts of the body get in the way of the laser beam.
- If the laser beam hits easily flammable materials such as paper, these will ignite and a fire can develop very quickly. Therefore make sure that no flammable material is in the way of the beam before activating the laser.

3. Audience Protection

- The operation of laser systems with Class 4 lasers requires an emergency stop (E-Stop). Regardless of the way the laser is operated, an E-Stop must always be connected!
  Place the E-Stop so that you can reach it immediately in emergency situations. Run a test each time the laser is activated to ensure that it is turned off immediately by activating the E-Stop.
- Mark an area of about 3 to 4 m around the laser system as off limits to the audience.
- Only test the laser system as long as no audience is present.
- Never let the laser run unattended.
- Make sure that no unauthorized persons have access to your laser system.

The operation of laser equipment in the event sector with an audience requires an approval by a technical inspection authority in many countries!

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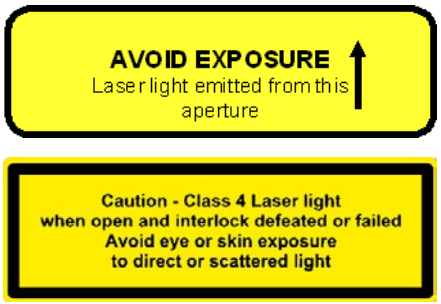
2.3 Warning Labels

The operation of laser equipment in the event sector with an audience requires an approval by a technical inspection authority in many countries!

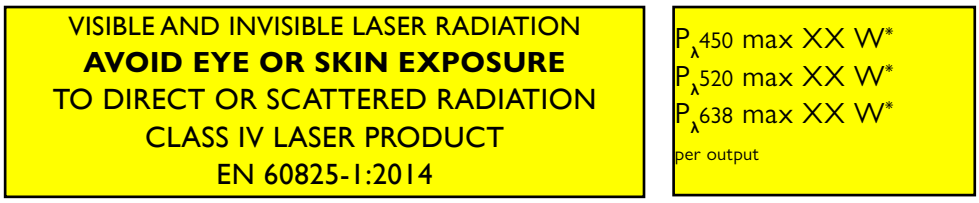
The following warning labels are placed on the laser device:

Next to emission laser window:

On the top cover:



On the bottom:



*depending on model

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3 Product Information

The LPS-SixSCAN is a multi-output RGB laser projector system housing six independent scanning units in a single, robust enclosure.
Each unit delivers a precisely focused beam combining red (638 nm), green (525 nm) and blue (450 nm) laser diodes with analogue modulation, enabling crisp projections in brilliant colors across all six outputs simultaneously.
The IP66-rated housing measuring 984 x 284 x 207 mm and weighing 36 kg is engineered for reliable operation in demanding environments.

Outstanding Features

- Six independent RGB scanning units in a single housing, each delivering a full-color beam with red (638 nm), green (525 nm) and blue (450 nm)
- IP66-rated housing for reliable operation in challenging indoor and outdoor environments
- Optimized airflow cooling system ensuring stable performance within an operating temperature range of 5 °C to 40 °C
- Analogue modulation for smooth, accurate color rendering across the entire color spectrum

Laser Sources

Every LPS-SixSCAN unit is based on a modular laser diode system.
Each of the six scanning units combines red (638 nm), green (525 nm) and blue (450 nm) laser diode modules

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4 Connectors

4.1 Overview

All included signal cables are shielded. In case you use other cables (e.g. external key switch) it is essential to use shielded cables only.

LPS SixSCAN IP 66

Front panel

1. Laser aperture(s)
2. Beam blocker mechanism /
   Can be flexibly mounted in any of four positions next to the laser aperture.
3. Emission LED
4. Camlock
5. Camlock mounts
6. Handle lid
7. Handles

Back panel

1. DMX 5pin in / out
2. LAN / ArtNet in / out
3. Interlock / E-Stop XLR 3pin in / out
4. Key switch for controlling the laser emission
5. ILDA in / out
6. Display / menu
7. Power on LED
8. Fuse
9. Power connector powerCON TRUE1 in / out
10. Loops for safety cord
11. Camlock

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4.2 Connectors

4.2.1 ILDA in / out

This socket is an ILDA compatible D-sub socket. Therefore, any ILDA-compatible laser software can be used for this laser system.
Connect a controller with the ILDA-in by an ILDA-cable.
To link the ILDA signal to another device, the ILDA-Out socket can be used.
For best results of signal transmission, only shielded and twisted-pair cables should be used.

Note that no further DMX control is possible after ILDA IN is plugged.

4.2.2 Interlock in / Interlock out (E-Stop 3pin XLR)

Connect the emergency stop switch to these 3-pin sockets (male/female).

Pin Assignment:

Pin No.	Name
Pin 1	GND
Pin 2	External Interlock
Pin 3	External key switch

4.2.3 Key Switch

The key switch is used to activate and deactivate the laser system.
Only the lasers are switched. All other components installed in the laser system continue to function.

4.2.4 Power Switch

The power switch is used to turn the laser system on and off. When the laser system is turned on, the power indicator light (Power on LED) is on.
When the LED Laser Emission at the front side of the laser device is on, the laser is on and can emit laser light..

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5 Control

To emit laser output, the power switch and key switch must be ON and the E-Stop must be pulled. Only after starting this three technical specs, the laser emits.

5.1 LCD function menu

Menu	Secondary Menu	Third Level Menu
Operation Mode	DMX-512	DMX address (1-512)
		Channel mode 28/126/127(default)/163CH
		View DMX value
	Play mode	Show / 001-025, 001 is loop play
		Master / slave
	Test mode (manual)	Test pattern 1 - 6
		Light Color RGB, R,G,B
		Invert X
		Invert Y
		Control 1 ON/OFF
		Control 2 ON/OFF
		Control 3 ON/OFF
		Control 4 ON/OFF
		Control 5 ON/OFF
		Control 6 ON/OFF
	User mode	Value settings (CH1 - CH28 can customized the value of each channel of the fixture
	Art-Net	Interval 0-999
		1-512
		Channel mode
		RDM
		Channel value
Master Set	Projector	Target 1-6
		Master size 0-255
		X-scale 0-255
		Y-scale 0-255
		Invert X ON/OFF
		Invert Y ON/OFF
		Offset X +128 - 0 - -128
		Offset Y +128 - 0 - -128
	Color	Target 1 - 6
		Lamp house RGB / One
		Red 0-255

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Master Set	Color	Green 0-255
		Blue 0-255
		Brightness 0-255
	Network	Auto IP / Yes / No
		Address 1 / 0-255
		Address 2 / 0-255
		Address 3 / 0-255
		Address 4 / 0-255
		Mask 1 / 0-255
		Mask 1 / 0-255
		Mask 1 / 0-255
		Mask 1 / 0-255
Display	LCD invert	ON/OFF 180° rotation
	Screen safer	30s – 120s
Defaults	Default reset	Yes/No
	Factory Init	0-999 / 999 is to reset
Survey	RS485 Error	Control 1 to 6 ON/OFF
	X Scan Error	Control 1 to 6 ON/OFF
	Y Scan Error	Control 1 to 6 ON/OFF
	Hardware version	Display Control 1 to 6
	Software version	Display Control 1 to 6
	Network Information	IP From Fixed IP/Dynamic IP
		Address 1 - 4 / 0
		Mask 1 - 4 / 0
SysInfo	Operation	Curent device mode
	Channel mode	Current device channel
	DMX address	Current device address
	Scene version	Current device effect version
	Temperature	Current device house temp

5.2 DMX 512 Channel Introduction

This device has an integrated pattern mode with three channel modes: 28CH, 126CH, 127CH and 163CH. The channel mode can be selected under ‚Operating Mode' ->‚DMX-512 DMX'. The modes and their descriptions are as follows.

DMX-512 Channel Description:

1. CH1–CH28 (CH28 Example Channel):
All six scanners have the same effects; individual control is not possible.
If CH1 is in the range of 32 to 63, CH2 to CH28 are active.
If CH1 is in the range of 64 to 95, CH2 and CH6 are active.

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2. CH1 + 6 × (CH1–CH21) (CH1–CH26 Standard Channel):
Each scanner output has 21 channels, which can be controlled individually.
The 21st channel of each fixture is used for frequency adjustment of the scanner.
There is no full control mode.

3. CH1+6 x (CH2-CH22) (CH127 Standard Channel):
If CH1 = 32 to 63, CH2 to CH127 are active.
If CH1 = 64 to 95, CH2 and CH6 are active.
All six scanners can be controlled individually; each scanner has 21 channels. Additionally, an option for a master control mode is available
(The first channel is used to select the IPLAY mode)

4. CH1+6 x (CH2-CH28) (CH163 Expansion Channel):
If CH1 = 32 to 63, CH2 to CH163 are active.
If CH1 = 64 to 95 or 96 to 127, CH2 and CH6 are active.
Six scanners can be controlled individually; each scanner has 27 channels. Additionally, an option for a master control mode is available
(The first channel is used to select the IPLAY mode)

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28CH/126CH/127CH/163CH-Modus as following:

CH28	**CH127**						**CH163**					
NR. 1-6	NR. 1	NR. 2	NR. 3	NR. 4	NR. 5	NR. 6	NR. 1	NR. 2	NR. 3	NR. 4	NR. 5	NR. 6
CH1	CH1						CH1					
CH2	CH2	CH23	CH44	CH65	CH86	CH107	CH2	CH29	CH56	CH83	CH110	CH137
CH3	CH3	CH24	CH45	CH66	CH87	CH108	CH3	CH30	CH57	CH84	CH111	CH138
CH4	CH4	CH25	CH46	CH67	CH88	CH109	CH4	CH31	CH58	CH85	CH112	CH139
CH5	CH5	CH26	CH47	CH68	CH89	CH110	CH5	CH32	CH59	CH86	CH113	CH140
CH6	CH6	CH27	CH48	CH69	CH90	CH111	CH6	CH33	CH60	CH87	CH114	CH141
CH7	CH7	CH28	CH49	CH70	CH91	CH112	CH7	CH34	CH61	CH88	CH115	CH142
CH8	CH8	CH29	CH50	CH71	CH92	CH113	CH8	CH35	CH62	CH89	CH116	CH143
CH9	CH9	CH30	CH51	CH72	CH93	CH114	CH9	CH36	CH63	CH90	CH117	CH144
CH10	CH10	CH31	CH52	CH73	CH94	CH115	CH10	CH37	CH64	CH91	CH118	CH145
CH11	CH11	CH32	CH53	CH74	CH95	CH116	CH11	CH38	CH65	CH92	CH119	CH146
CH12	CH12	CH33	CH54	CH75	CH96	CH117	CH12	CH39	CH66	CH93	CH120	CH147
CH13	CH13	CH34	CH55	CH76	CH97	CH118	CH13	CH40	CH67	CH94	CH121	CH148
CH14	CH14	CH35	CH56	CH77	CH98	CH119	CH14	CH41	CH68	CH95	CH122	CH149
CH15	CH15	CH36	CH57	CH78	CH99	CH120	CH15	CH42	CH69	CH96	CH123	CH150
CH16	CH16	CH37	CH58	CH79	CH100	CH121	CH16	CH43	CH70	CH97	CH124	CH151
CH17	CH17	CH38	CH59	CH80	CH101	CH122	CH17	CH44	CH71	CH98	CH125	CH152
CH18	CH18	CH39	CH60	CH81	CH102	CH123	CH18	CH45	CH72	CH99	CH126	CH153
CH19	CH19	CH40	CH61	CH82	CH103	CH124	CH19	CH46	CH73	CH100	CH127	CH154
CH20	CH20	CH41	CH62	CH83	CH104	CH125	CH20	CH47	CH74	CH101	CH128	CH155
CH21	CH21	CH42	CH63	CH84	CH105	CH126	CH21	CH48	CH75	CH102	CH129	CH156
CH22	CH22	CH43	CH64	CH85	CH106	CH127	CH22	CH49	CH76	CH103	CH130	CH157
CH23							CH23	CH50	CH77	CH104	CH131	CH158
CH24							CH24	CH51	CH78	CH105	CH132	CH159
CH25							CH25	CH52	CH79	CH106	CH133	CH160
CH26							CH26	CH53	CH80	CH107	CH134	CH161
CH27							CH27	CH54	CH81	CH108	CH135	CH162
CH28							CH28	CH55	CH82	CH109	CH136	CH163

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5.3 28CH mode

Channel				Function	DMX value	Description
CH1				Play mode	0 - 31	Laser off
					32 - 63	Manual control
					64 - 95	Auto play (macro)
					96 - 127	Music trigger Auto Play (macro)
					128 - 255	Invalid
1	6	6	CH2	Dim	0 - 255	Laser brightness 0% - 100%
			CH3	Red	0 - 255	Red brightness 0% - 100%
			CH4	Green	0 - 255	Green brightness 0% - 100%
			CH5	Blue	0 - 255	Blue brightness 0% - 100%
			CH6	Page	0 - 255	Each 32 values be one page, total of 8 (CH1 = 32 – 61 is valid)
					0 - 255	Each 10 values be one macro function, total 25 cues (CH1 = 62 – 128)
			CH7	Cue	0 - 15	Laser off
					16 - 255	Each 12 values be one cue, total of 20 cues
			CH8	X	0 - 255	From left to right (128 is center)
			CH9	X fine	0 - 255	X axis fine position
			CH10	Y	0 - 255	From bottom to top (128 is center)
			CH11	Y fine	0 - 255	Y axis fine position
			CH12	(Z) Rotation	0 - 255	Clockwise (0° - 360°)
			CH13	(Z) Rotation fine	0 - 255	Fine rotation
			CH14	Zoom	0 - 255	From 100% to 0%
			CH15	X flip	0 - 255	From left to right
			CH16	Y flip	0 - 255	From bottom to top
			CH17	Color	0 - 7	Default color
					8 - 15	White
					16 - 23	Red
					24 - 31	Yellow
					32 - 39	Green
					40 - 47	Cyan
					48 - 55	Blue
					56 - 63	Purple
					64 - 127	Each 8 values be one effect, total of 8
					128 - 143	Macro function 1
					144 - 159	Macro function 2
					160 - 175	Macro function 3
					176 - 191	Macro function 4
					192 - 207	Macro function 5
					208 - 223	Macro function 6

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1	6	6	CH17	Color	224 - 239	Macro function 7
					240 - 255	Macro function 8
			CH18	Draw In	0 - 255	Visible point 100% - 0%
			CH19	Def. macro	0 - 15	Invalid
					16 - 31	Macro function 1 (together with CH14 / CH25 zoom effect)
					32 - 47	Macro function 2 (together with CH14 / CH25 zoom effect)
					48 - 63	Macro function 3 (together with CH14 / CH25 zoom effect)
					64 - 79	Macro function 4 (together with CH14 / CH25 zoom effect)
					80 - 95	Macro function 5 (together with CH14 / CH25 zoom effect)
					96 - 111	Macro function 6 (together with CH14 / CH25 zoom effect)
					112 - 127	Macro function 7 (together with CH14 / CH25 zoom effect)
					128 - 143	Macro function 8 (together with CH14 / CH25 zoom effect)
					144 - 159	Macro function 9 (together with CH14 / CH25 zoom effect)
					160 - 175	Macro function 10 (together with CH14 / CH25 zoom effect)
					176 - 191	Macro function 11 (together with CH14 / CH25 zoom effect)
					192 - 207	Macro function 12 (together with CH14 / CH25 zoom effect)
					208 - 223	Macro function 13 (together with CH14 / CH25 zoom effect)
					224 - 255	Default
			CH20	Wave macro	0	Invalid
					1 - 39	Macro function 1
					40 - 79	Macro function 2
					80 - 119	Macro function 3
					120 - 159	Macro function 4
					160 - 199	Macro function 5
					200 - 255	Macro function 6
			CH21	Draw in (macro)	0	Invalid
					1 - 42	Macro function 1

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1	6	6	CH21	Draw in (macro)	43 - 84	Macro function 2
					85 - 126	Macro function 3
				Strobe	127 - 255	Strobe from slow to fast
			CH22	X position (macro)	0	Invalid
					1 - 32	Macro function 1
					33 - 64	Macro function 2
					65 - 96	Macro function 3
					97 - 128	Macro function 4
					129 - 160	Macro function 5
					161 - 192	Macro function 6
					193 - 224	Macro function 7
					225 - 255	Macro function 8
			CH23	Y position (macro)	0	Invalid
					1 - 32	Macro function 1
					33 - 64	Macro function 2
					65 - 96	Macro function 3
					97 - 128	Macro function 4
					129 - 160	Macro function 5
					161 - 192	Macro function 6
					193 - 224	Macro function 7
					225 - 255	Macro function 8
			CH24	Z Rotation (macro)	0	Invalid
					1 - 32	Macro function 1
					33 - 64	Macro function 2
					65 - 96	Macro function 3
					97 - 128	Macro function 4
					129 - 160	Macro function 5
					161 - 192	Macro function 6
					193 - 224	Macro function 7
					225 - 255	Macro function 8
			CH25	Zoom (macro)	0	Invalid
					1 - 32	Macro function 1
					33 - 64	Macro function 2
					65 - 96	Macro function 3
					97 - 128	Macro function 4
					129 - 160	Macro function 5
					161 - 192	Macro function 6
					193 - 224	Macro function 7
					225 - 255	Macro function 8

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1	6	6	CH26	X flip (macro)	0	Invalid
					1 - 32	Macro function 1
					33 - 64	Macro function 2
					65 - 96	Macro function 3
					97 - 128	Macro function 4
					129 - 160	Macro function 5
					161 - 192	Macro function 6
					193 - 224	Macro function 7
					225 - 255	Macro function 8
			CH27	Y flip (macro)	0	Invalid
					1 - 32	Macro function 1
					33 - 64	Macro function 2
					65 - 96	Macro function 3
					97 - 128	Macro function 4
					129 - 160	Macro function 5
					161 - 192	Macro function 6
					193 - 224	Macro function 7
					225 - 255	Macro function 8
			CH28	Scan	0-255	Scan speed

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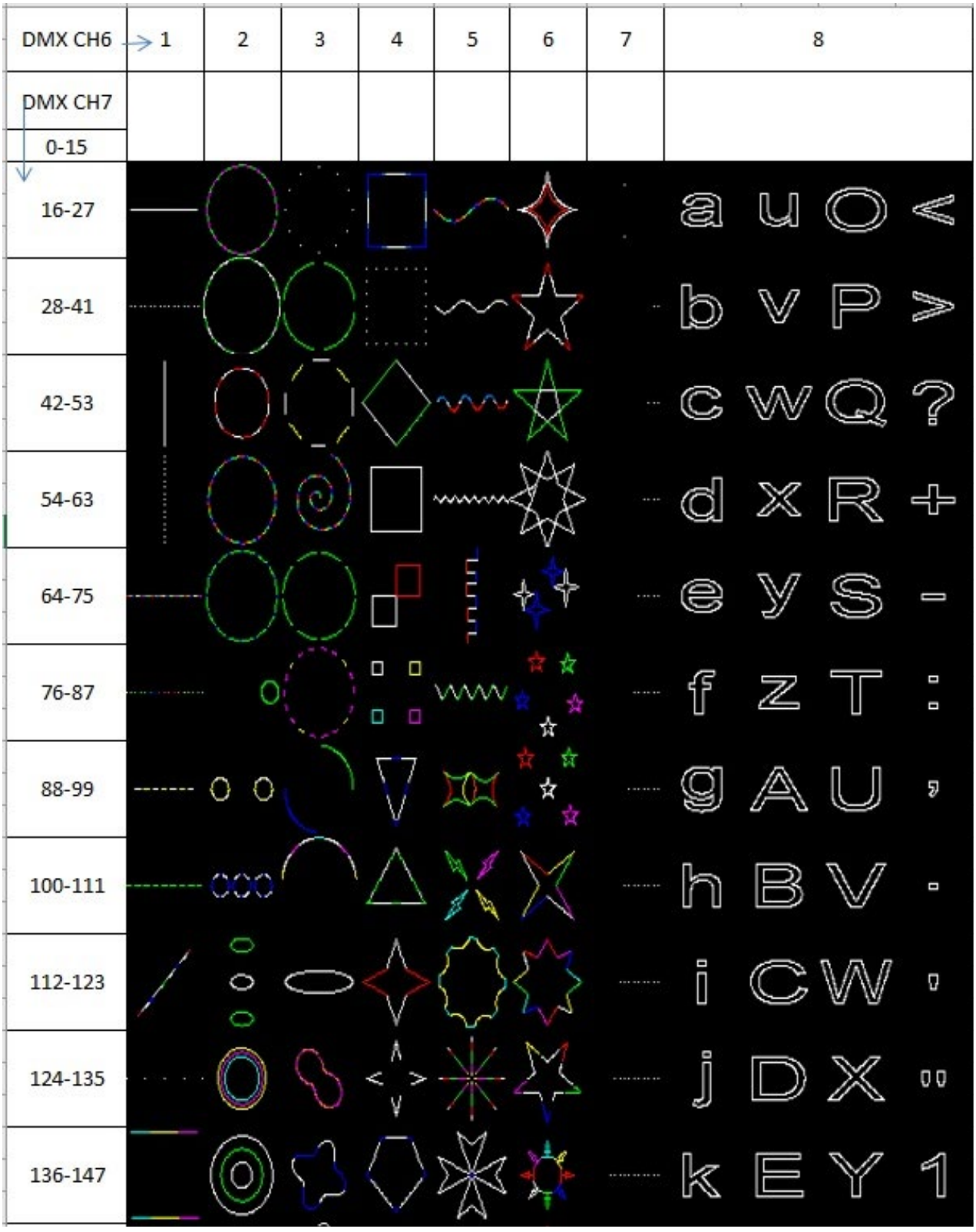
5.4 Frame list



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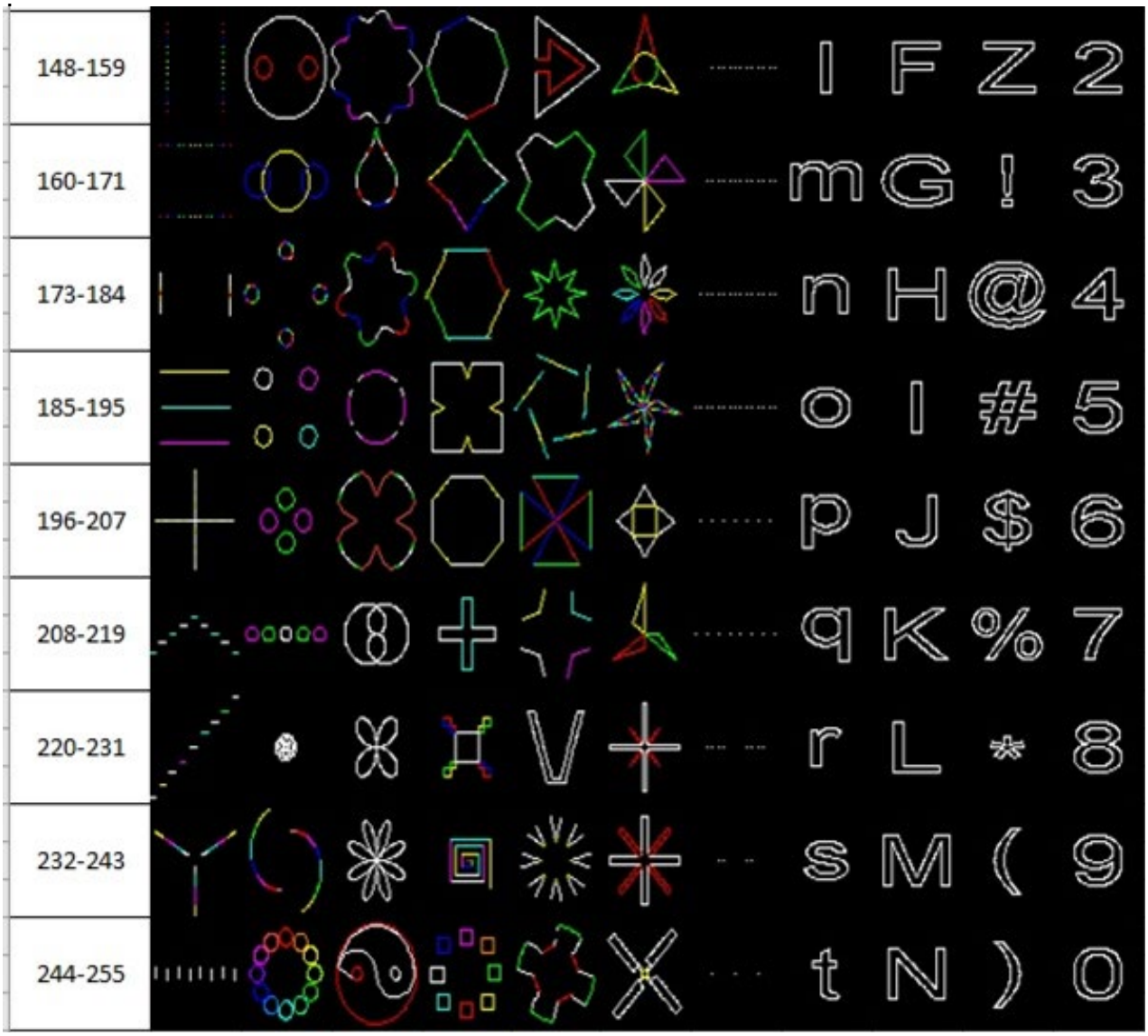

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5 Maintenance / Service

Service means all work inside the device and thus to open a service flap or lid. For this, the interlock has to be bridged. ONLY specially trained specialist personnel or laser technicians from LPS-Laser are allowed to do this!

If you are allowed to do the service, you must urgently consider the following points:

1. Make sure the complete laser system is de-energized. That means, the main plug is not connected to the power supply while installing or opening it.
2. Anything that could reflect (such as jewelry, …) has to be removed before.
3. Use only non-reflecting tools.
4. Wear protective clothing like special laser goggles, gloves and so on.

Dust, fog fluid, etc. cause deposits on mirrors, which might evoke a substantial decrease in laser power. This applies to the mirrors inside the laser system as well as the glass pane. But also by open-air events, depending on the location, contamination in the laser system can occur.

Therefore a professional and periodic cleaning is essential!

LPS-Lasersysteme recommends a regular service, which should be implemented at least once a year by a technician or a trained person.
Even if, in addition to the prescribed service, you need further cleaning of the mirrors, this may only be done with special instruction! For this purpose, LPS-Lasersysteme has no liability!

Caution: ONLY specially trained specialist personnel or laser technicians from LPS-Laser are allowed to do this!

UNPLUG the show laser system before opening the device for cleaning!

6 Cleaning

To clean the housing:

Use a damp cloth without chemical cleaning agents. Water and / or glass cleaner are enough.

Disconnect all cables and make sure, that the device is cooled down.
Then remove dirt particles and dust by using a soft brush and cotton swab. Be careful when using compressed air or vacuum cleaners.

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6 Technical Specifications

Device dimensions (L x W x H)	960 x 280 x 340 mm (w/o bracket)		
Laser Source	Laser diodes (pure diode)		
Type	CW analog modulated, laser class 4		
Typical wavelengths	638 nm red diode	525 nm green diode	450 nm blue diode
Scan system speed	30 kpps at 8°, max. 40°		
Scan angle	40°		
Operation mode	ILDA / DMX / Art-Net		
Operating voltage	100 V – 240 VAC		
Voltage line frequency	50 Hz / 60 Hz		
Operating current	4 A up to 10 A		
Operationg temperature	+ 5°C - +40°C		
IP raded	IP66		
Cooling requirements	air-cooled, optimized airflow		

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Device-dependent laser specifications				
LPS SixSCAN IP66 18W				
Total power (after optics)	18 W			
Power per color	6 x 500 mW (638 nm)	6 x 900 mW (525 nm)	6 x 1600 mW (450 nm)	
Beam divergence*	1.2 mrad*			
Beam diameter	3 x 6 mm			
Power consumption	360 W			
Weight (net)	33 kg			
LPS SixSCAN IP66 30W				
Total power (after optics)	30 W			
Power per color	6 x 1200 mW (638 nm)	6 x 1300 mW (525 nm)	6 x 3000 mW (450 nm)	
Beam divergence*	1.0 mrad*			
Beam diameter	5 x 6 mm			
Power consumption	460 W			
Weight (net)	36 kg			
LPS SixSCAN IP66 60W				
Total power (after optics)	60 W			
Power per color	6 x 3000 mW (638 nm)	6 x 3000 mW (525 nm)	6 x 4000 mW (450 nm)	
Beam divergence*	1.0 mrad*			
Beam diameter	5 x 6 mm			
Power consumption	600 W			
Weight (net)	36 kg			

*FWHM average depending on model

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EU Declaration of Conformity

Manufacturer:
LaserAnimation Sollinger GmbH

Product Name:

LPS SixSCAN 18 IP66
LPS SixSCAN 30 IP66
LPS SixSCAN 60 IP66

Products covered by this declaration: Laser display systems

We here declare that the product described above is in conformity with the following directives:

EMC Directive 2014/30/EU	EN IEC 55015:2019 + A11:2020
	EN 61000-1-2:2017-07
	EN IEC 61547:2023
LVD Directive 2014/35/EU	EN IEC 60598-1:2024/A11:2024 EN 61000-3-3
Circuit Feedback	EN IEC 61000-3-2:2019/A1:2021
Safety of laser products, Part 1: Equipment classification and requirements	EN 60825-1:2014/A11:2021/AC:2022
REACH (Registration, Evaluation, Authorization of Chemicals)	Regulation (EC) No 1907/2006
RoHS Directive 2011/65/EU	EN IEC 63000:2018
General Product Safety Regulation (EU) 2023/988 (GPSR)	

The device is verified in correspondence to the laser class regulation(s): EN 60825-1:2014/A11:2021/AC:2022. The technical documentation is kept at the above mentioned addresses open for inspection. The CE mark was first applied in 2025.
The included technical documents (files) demonstrate that the product has been produced according to the requirements of the abovementioned directives.
The EU declaration of conformity is available for inspection by the market surveillance authorities at any time.

Berlin, 12.05.2026

Martin Werner

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Final statement

All our products and their packaging are individually checked and leave our facilities in a flawless and proper condition. If you notice any damage or defects when receiving the product, please contact your dealer immediately. Damages caused by improper handling are not subject to the manufacturer's or dealer's responsibility and no liability or warranty is assumed for it. The operator of the device must follow the local safety regulations and the warnings in the manual. If changes are made to this manual, we cannot inform you. Please contact your dealer for service and any other questions. Only use original spare parts.

Subject to change without notice. No warranty can be given for the correctness of the information.

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